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PROJECT	Cornamaddy Noise Amendment	
SUBJECT	Inward Noise Impact Assessment	
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WRITTEN BY		APPROVED BY
Alistair Maclaurin		Stephen Smyth
Senior Acoustic Consultant		Director (Operations)

Disclaimer

This report considers the specific instructions and requirements of our client. It is not intended for third-party use or reliance, and no responsibility is accepted for any third party. The provisions in this report apply solely to this project and should not be assumed applicable to other developments without review and modification.

1. INTRODUCTION

This report presents an update to the Inward Noise Impact Assessment that was submitted as part of the Ballykeeran Gardens planning application under planning reference 2360074. Following an update to the layout of the Proposed Development, the Inward Noise Impact Assessment has been revised to account for the proposed alterations.

2. ASSESSMENT UPDATE

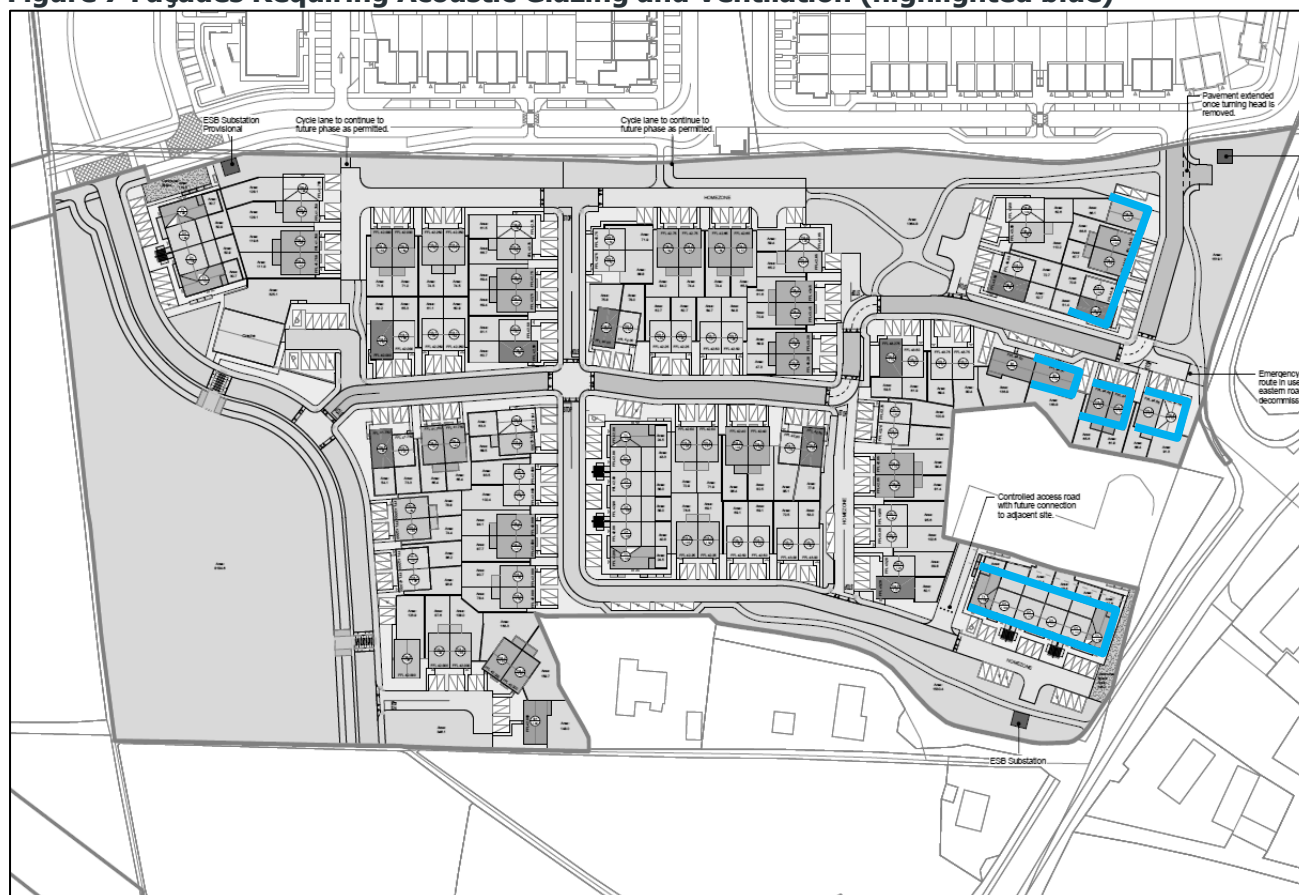
The submitted Inward Noise Impact Assessment (document ref. 227501.0443NR01a) identified the glazing and ventilation performance specifications for certain façades, as set out in Table 10 of the original report and reproduced below. These specifications were set out to ensure the internal guideline noise levels are met. A ventilation specification of 34 dB $D_{n,e,w}$ was also specified for the affected façades.

Table 10 Sound Insulation Performance Specifications for Glazing, SRI (dB)

Glazing Specification	Octave Band Centre Frequency (Hz)						Rw
	125	250	500	1k	2k	4k	
Blue	29	25	32	34	36	38	34

The specifications were accompanied by Figure 7 in the original report, which identified the façades where upgraded sound insulation was proposed.

Following a review of the updated layout for the Proposed Development, it has been confirmed that no changes are required to the glazing and ventilation specifications presented within the original report. However, Figure 7 has been updated to reflect the revised layout and to identify the façades that require upgraded sound insulation. Any façades that are not highlighted in Figure 7 are expected to achieve good internal noise levels with standard glazing and ventilation systems.

Figure 7 Façades Requiring Acoustic Glazing and Ventilation (highlighted blue)

The specifications provided have been determined to achieve the internal noise criteria within bedrooms and living rooms in accordance with the design criteria from BS 8233 (2014). Alternative specifications will be acceptable provided the internal ambient noise criteria outlined in Table 1 of the original Inward Noise Assessment report can be achieved. During the detailed design stage, the acoustic performance of the proposed glazing and ventilation systems should be reviewed alongside the building design to confirm compliance with the relevant internal design criteria.

The glazing specifications relate to bedrooms and living spaces. For staircases and other non-sensitive spaces, standard double glazing provides a suitable level of sound insulation.

3. CONCLUSION

Following an update to the layout of the Proposed Development, the Inward Noise Impact Assessment has been reviewed. The review confirms that the glazing and ventilation specifications remain unchanged from those presented in the original report. An updated Figure identifying the façades requiring upgraded sound insulation in the form of glazing and ventilation has been provided in this report. The assessment has demonstrated that good internal noise levels can be achieved with the proposed glazing and ventilation specifications. Further assessment of inward noise levels will be undertaken at the detailed design stage to confirm that the internal noise criteria is achieved following the selection of the final glazing and ventilation systems.